

Patent claims

1. A folding box (1) for displaying and/or packaging an article (90), comprising
  - a.) a rear wall (2), on which
  - 5 b.) in each case one side wall (3), (4) is articulated laterally,
  - c.) a base flap (5) is articulated at the bottom and
  - d.) a rear flap (6) is articulated at the top, it being the case that
  - e.) the rear flap (6) is connected to a collar (9) via a folding line (103),
  - f.) the collar (9) is located perpendicularly to the rear wall (2) and
  - 10 g.) has a cutout (190), in which the article which is to be packaged can be positioned, and
  - h.) the base flap (5) is located perpendicularly to the rear wall (2), wherein
    - i.) the rear flap (6) is adhesively bonded to the inside of the rear wall (2),
    - j.) the side walls (3) and (4) are positioned on the vertical collar (9) such that they fix the article (90),
    - 15 k.) above the collar (9), folding parts (11) and (10) are articulated on the respective side walls (4) and (3) via a respective scoring formation (111), (110) such that
    - l.) the fold parts (10, 11) are positioned or adhesively bonded one above the other, and
    - m.) two insertion noses (14, 15) are articulated on the base flap,
    - 20 n.) the insertion noses each being connected to the inside of the side wall (3), (4).
- 25 2. The folding box as claimed in claim 1, wherein a collar (8) with a corresponding cutout (290) is articulated in a mirror-inverted manner on the collar (9), and the two, if appropriate, are adhesively bonded to one another.
- 30 3. The folding box as claimed in claim 2, wherein a flap (7) is articulated on the collar (8) and is adhesively bonded to the inside of the rear wall (2).
4. The folding box as claimed in one of the preceding claims, wherein side parts (12) and/or (13) are articulated at least on one of the side walls (3) and/or (4) and are adhesively bonded to the inside of the side wall (3), (4) so as to produce respective

slots (140) and (150), in which the insertion noses (14) and (15) can engage and thus ensure the interconnection with the side wall or walls.

5. The folding box as claimed in one of the preceding claims, wherein the side walls (3) and (4) have notches (130), in which the vertical collar (9) engages for stabilizing purposes.
10. The folding box as claimed in one of the preceding claims, wherein the fold parts (10) and (11) are shaped in the same way and the article is embedded on the fold parts and, if appropriate, at least one of the fold parts (10) or (11) has a cutout (390) for accommodating the article (90) in a form-fitting manner.
15. The folding box as claimed in one of the preceding claims, wherein a hanging device (115), if appropriate with a slot or round hole, is punched out in the top region of the rear wall (2), and a cutout or a hanging device (116) is punched out in the rear flap (6) and, if appropriate, in the fold parts (10) and/or (11).
20. The folding box as claimed in one of the preceding claims, wherein the length of the rear flap (6) is in the range from 0.9 to 0.1, preferably 0.33 to 0.5, of the length of the rear wall (2).
25. The folding box as claimed in one of the preceding claims, wherein the collar cutouts (190) and (290) are round, polygonal, or oval or adapted precisely to the outlines of the article.
10. The folding box as claimed in one of the preceding claims, wherein the width of the side walls (3, 4) is selected such that they surround the article (90) laterally with the edge (31, 41).
30. 11. The folding box as claimed in one of the preceding claims, wherein the scoring formation (110) or (111) is shaped in an arcuate or rectilinear manner in order to provide the respective folding parts (10) and (11) with an abutment shape which is adapted to the article.

12. The folding box as claimed in one of the preceding claims, wherein the edges (31, 41) of the side walls are round or rectilinear or shaped to correspond precisely to the contour of the article.

5 13. The folding box as claimed in one of the preceding claims, wherein the shape of the base flap (5) corresponds to the base of the article (90) or the shape of the latter in plan view.

10 14. A folding-box blank for producing a folding box as claimed in one of claims 1 to 13, comprising

-a rear wall (2), on which in each case one side wall (3), (4) is articulated laterally, a base flap (5) is articulated at the bottom and a rear flap (6) is articulated at the top, it being the case that

15 - a collar (9) is articulated on the rear flap (6) via a folding line (103),  
- the collar (9) has a cutout (190), in which the article which is to be packaged can be positioned,  
- in the top region (3a, 4a), folding parts (11) and (10) are articulated on the respective side walls (3, 4) via a respective scoring formation (111), (110), the top region corresponding to the length of the rear flap (6),  
20 - two insertion noses (14, 15) are articulated on the base flap (5),  
- a mirror-inverted collar (8) with a corresponding cutout (290) is articulated, if appropriate, on the collar (9),  
- a flap (7) is articulated, if appropriate, on the collar (8),  
- side parts (12) and/or (13) are articulated, if appropriate, on at least one of the side walls (3) and/or (4),  
25 - notches (130) are provided, if appropriate, in the side walls (3) and (4) level with the starting point of the top region,  
- if appropriate, the fold parts (10) and (11) are shaped in the same way and at least one of the fold parts (10) or (11) has a cutout (390) for accommodating the article (90) in a form-fitting manner,  
30 - a hanging device (115) if appropriate with a slot or round hole, is punched out, if appropriate, in the top region of the rear wall (2), and a cutout or a hanging device (116) is punched out in the rear flap (6) and, if appropriate, in the fold parts (10) and/or (11),

- if appropriate, the length of the rear flap (6) is in the range from 0.9 to 0.1, preferably 0.33 to 0.5, of the length of the rear wall (2),
- if appropriate, the collar cutouts (190) and (290) are round, polygonal or oval or adapted precisely to the outlines of the article,

5      - if appropriate, the scoring formation (110) or (111) is shaped in an arcuate or rectilinear manner,

- if appropriate, the edges (31, 41) of the side walls are round or rectilinear or shaped in any desired manner, and
- if appropriate, the shape of the base flap (5) corresponds to the base of the

10     article (90) or the shape of the latter in plan view.

15. The folding blank as claimed in claim 14, wherein the folding blank consists of paperboard, cardboard or some other suitable material.

15     16. Use of the folding box as claimed in one of claims 1 to 13 for displaying an article.

17. Use of the folding box as claimed in one of claims 1 to 13 for packaging an article.